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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/941,612	08/30/2001	Yoshinobu Aoyagi	1794-0141P	6758
	7590 03/06/200 ART KOLASCH & BI	EXAMINER		
PO BOX 747		SONG, MATTHEW J		
FALLS CHUR	CH, VA 22040-0747	ART UNIT	PAPER NUMBER	
		1792		
			NOTIFICATION DATE	DELIVERY MODE
			03/06/2008	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
09/941,612	AOYAGI ET AL.	
Examiner	Art Unit	
MATTHEW J. SONG	1792	

	MATTHEW J. SONG	1792	
The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress
THE REPLY FILED 04 February 2008 FAILS TO PLACE THIS		<del>-</del>	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appelication (RCE) in compliance with 37 C periods:	the same day as filing a Notice of a replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	Appeal. To avoid aban it, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expires <u>6</u> months from the mailing date b) The period for reply expires on: (1) the mailing date of this A		in the final rejection which	ahovorio lotor In
no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (	ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	g date of the final rejectio	n.
MONTHS OF THE FINAL REJECTION. See MPEP 706.07(1	•	OC/a) and the annuanciat	a automolom foo
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b).	ension and the corresponding amount hortened statutory period for reply origi than three months after the mailing dat	of the fee. The appropria inally set in the final Office	ate extension fee e action; or (2) as
NOTICE OF APPEAL	wishing assemblement with 27 OFP 44.5	07	t
<ol> <li>The Notice of Appeal was filed on <u>04 February 2008</u>. A b the date of filing the Notice of Appeal (37 CFR 41.37(a)), of appeal. Since a Notice of Appeal has been filed, any reply AMENDMENTS</li> </ol>	or any extension thereof (37 CFR 4	l1.37(e)), to avoid disn	nissal of the
<ol> <li>The proposed amendment(s) filed after a final rejection, because it is a final rejection, because it is after a final rejection, because it is after a final rejection.</li> </ol>	nsideration and/or search (see NO	FE below);	cause
(b) They raise the issue of new matter (see NOTE below	**		
<ul><li>(c) ☐ They are not deemed to place the application in bet appeal; and/or</li></ul>	ter form for appeal by materially red	ducing or simplifying th	ne issues for
(d) They present additional claims without canceling a c		ected claims.	
NOTE: <u>See Continuation Sheet</u> . (See 37 CFR 1.1	* **		
<ol> <li>The amendments are not in compliance with 37 CFR 1.12</li> <li>Applicant's reply has overcome the following rejection(s):</li> </ol>		mpliant Amendment (F	PTOL-324).
6. Newly proposed or amended claim(s) would be all non-allowable claim(s).		timely filed amendmen	t canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proved the status of the claim(s) is (or will be) as follows:		I be entered and an ex	xplanation of
Claim(s) allowed:			
Claim(s) objected to: Claim(s) rejected: <u>37-48</u> .			
Claim(s) withdrawn from consideration: <u>45-48</u> .			
AFFIDAVIT OR OTHER EVIDENCE			
<ol> <li>The affidavit or other evidence filed after a final action, bubecause applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).</li> </ol>			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea	al and/or appellant fails	s to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	ntry is below or attache	ed.
<ol> <li>The request for reconsideration has been considered but See Continuation Sheet.</li> </ol>	does NOT place the application in	condition for allowand	ce because:
12. ☐ Note the attached Information <i>Disclosure Statement</i> (s). ( 13. ☐ Other:	PTO/SB/08) Paper No(s)		
	/Robert M Kunemund/ Primary Examiner, Art U	Jnit 1792	

Continuation of 3. NOTE: Claim 37 has been amended to further require "wherein an acceptor level of said semiconductor having a deep band gap becomes shallow, since the complex probability of three atoms increases by applying the tendency that the atoms easily move around on a surface of said crystal and a molecular state acceptor which is obtained by associated two acceptors and a donor is produced.

Continuation of 11. does NOT place the application in condition for allowance because: applicant's argument regarding the finality of the rejection are not persuasive. Therefore the arguments regarding the amendment after final are not persuasive because the arguments are directed to the amendment, which was not entered.

Applicant's argument regarding the finality of the current rejection is noted but not found persuasive. Applicant alleges that applicant has not received a full action on the new claims which have been submitted in response to a decision by the Board of Appeals. When a final rejection is proper on First Action, as is the case here, is outlined in MPEP 706.07(b) [R-6], which states that the claims of an application may be finally rejected in the action immediately subsequent to the filing of the RCE where all the claims are drawn to the same invention claimed in the application prior to the entry of the submission under 37 CFR 1.114 and would have been properly finally rejected on the grounds and art of record in the next office action if they had been entered in the application prior to the filing of the RCE. Here both conditions are met since the claims are drawn to the same invention of impurity doping and the same grounds and art of record was used to reject the claims. MPEP 706.07(b) also discusses situations where it would be improper to make a final first office action in an RCE application, however none of those situations is present. Therefore, the finality of the rejection is proper.

Applicant's argument regarding the restriction is noted but not found persuasive. A restriction requirement was made on 11/8/2002 and applicant orally elected to prosecute the method and withdrew the product and apparatus claims with traverse, however in the subsequent response no supposed errors in the restriction requirement were made. Applicant now alleges that the product and apparatus claims are similar to the claims under construction and no undue difficulty is involved in considering all the claims in one action. First, a serious burden exists because only the method claims have been examined for over the past 5+ years, thus the examination of the additional statutory classes of invention would be burdensome. Second, a serious burden exists in the differing issues likely to arise during the prosecution of the different statutory classes of invention.

Applicant's argument regarding the rejections under 35 USC 103 are noted but not found persuasive. Applicant's arguments are directed to the amendment, which was not entered; therefore the arguments are not persuasive.